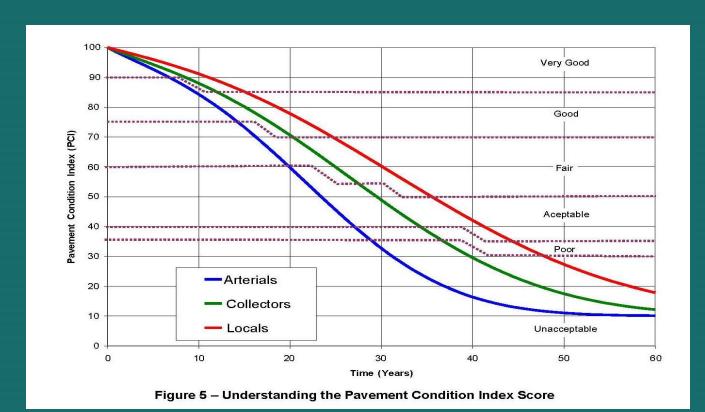


City of Casa Grande

Pavement Management System



Understanding Pavement Condition Index (PCI)





PCI Data Collection

In 2010 we hired Infrastructure Management Services (IMS) to collect comprehensive data to determine PCI scores for every street segment in the City of Casa Grande.



Our Average PCI

★In 2010 our Average Network PCI was at 75

★8 years later our average network PCI is at 72



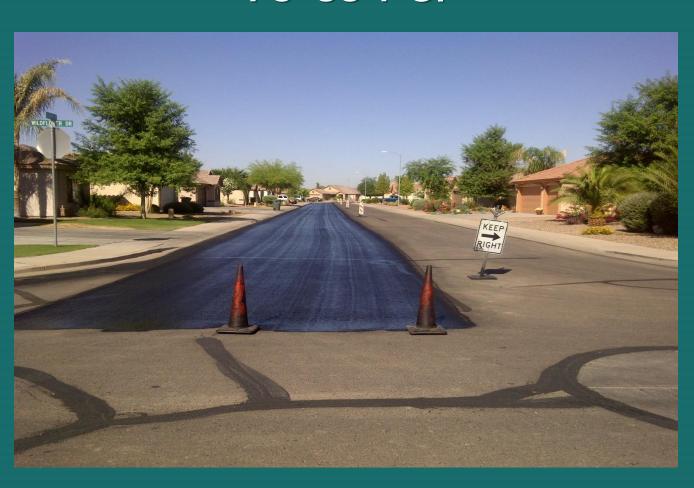
Treatments

| ★ Fog | Seal | 75-85 PCI |
|--------------|------|-----------|
| | | |

- ★ Slurry Seal 65-75 PCI
- ★ Rubber Chip Seal 55-65 PCI
- ★ Mill and Overlay 45-55 PCI
- **★ Partial Reconstruction 35-45 PCI**
- **★ Full Reconstruction** 0-35 PCI



Fog Seal 75-85 PCI









Slurry Seal/Micro Seal 65-75 PCI

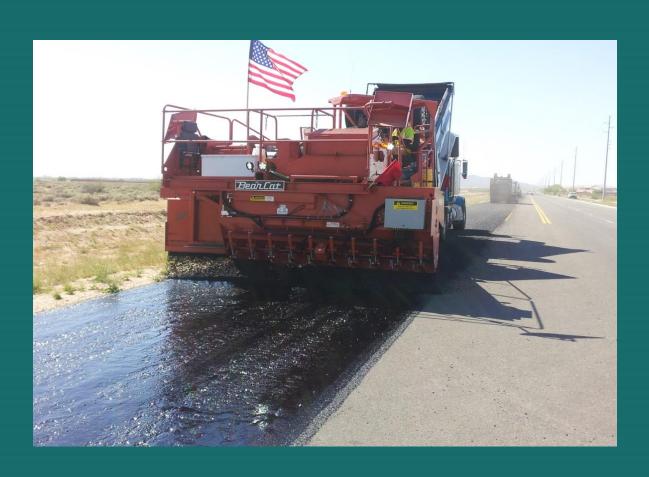








Rubber Chip Seal 55-65 PCI

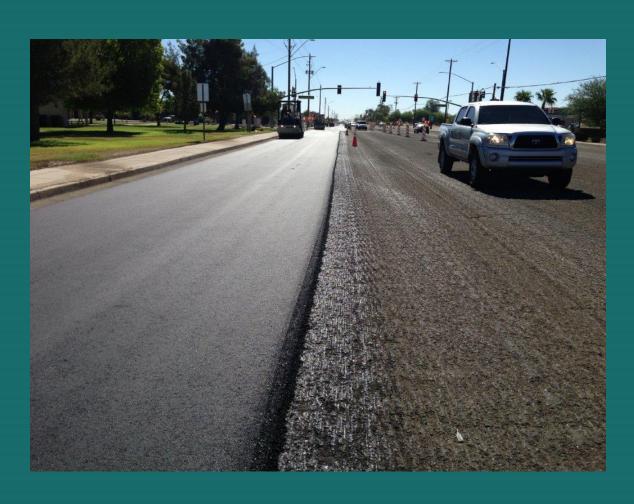








Mill and Overlay 45-55 PCI





Partial Reconstruction 35-45 PCI









Full Reconstruction 0-35 PCI





Process

- We alternate what streets receive maintenance.
- * Arterials and collector streets one year and residential streets the next.
- * FY 20 we will be doing local streets.
- * Capital Improvement Projects are separate from our pavement preservation.

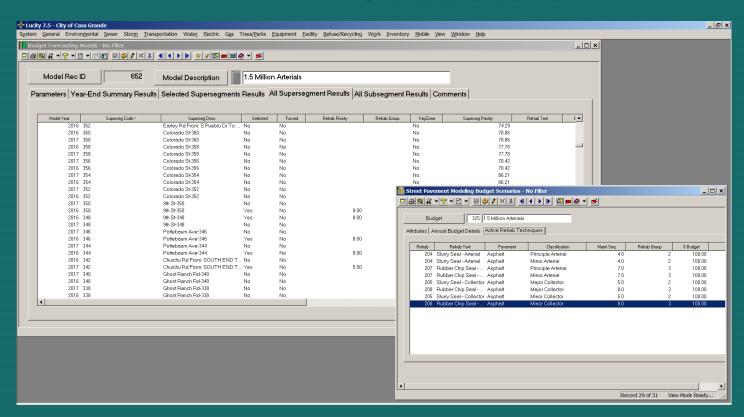


Lucity Pavement Management

- * With the system you can create many scenarios
- * Budget based analysis
- ⋆ PCI based analysis
- Long range forecasting (planning) (performance)

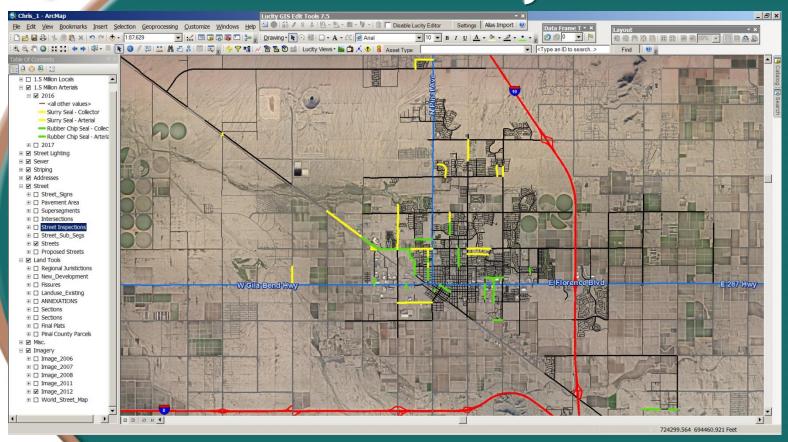


Lucity/Arterials and Collectors



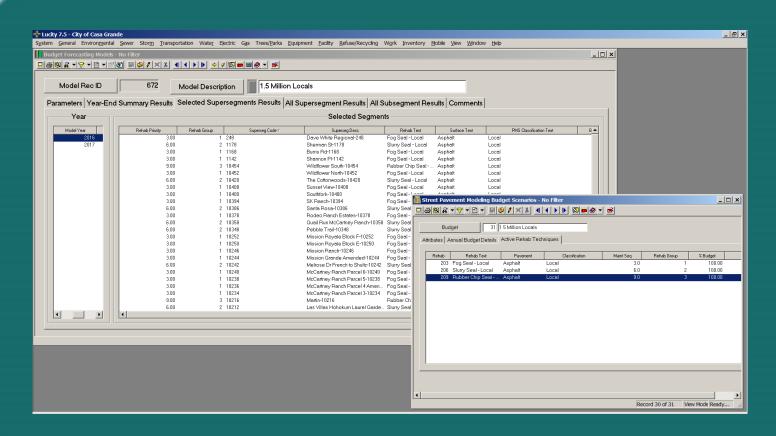


Lucity and GIS



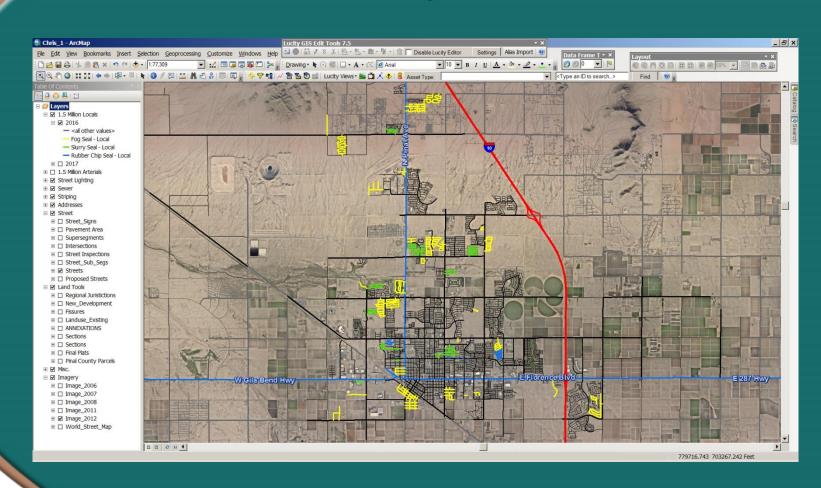


Lucity/Local Streets





Lucity and GIS



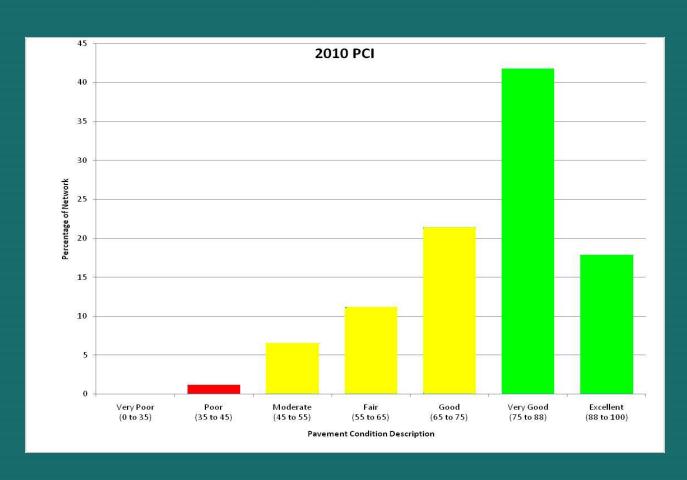


What's next?

- * The model has given us a base point to determine what streets need treatment based on funding.
- * From this point we have to determine what streets will get grouped together and what treatments we will use through field surveys and team decisions.
- * Next we perform an opinion of probable cost with current contract pricing and contingency.
- Once the team has come to a final decision we secure contracts and final documents to present to City Council.

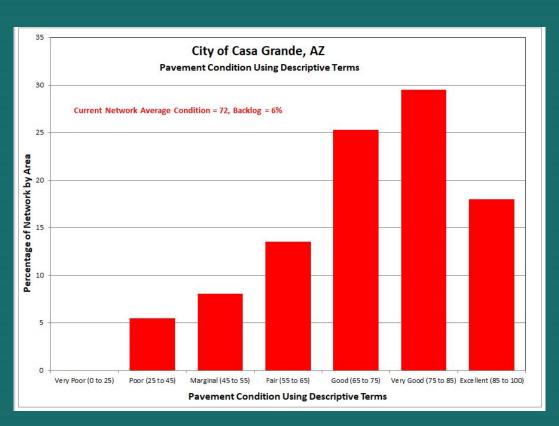


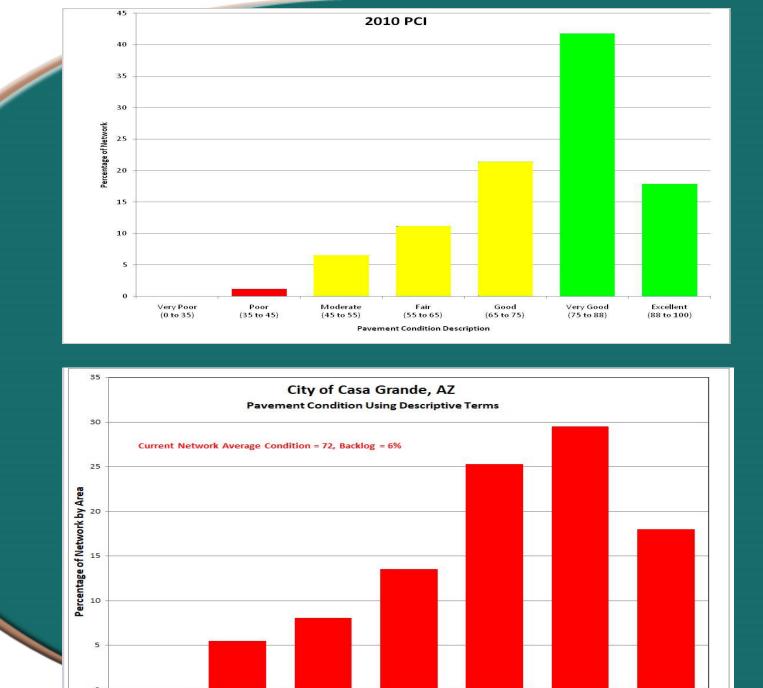
Average PCI 2010





Average PCI 2018





Very Poor (0 to 25)

Poor (25 to 45)

Marginal (45 to 55)

Fair (55 to 65)

Pavement Condition Using Descriptive Terms

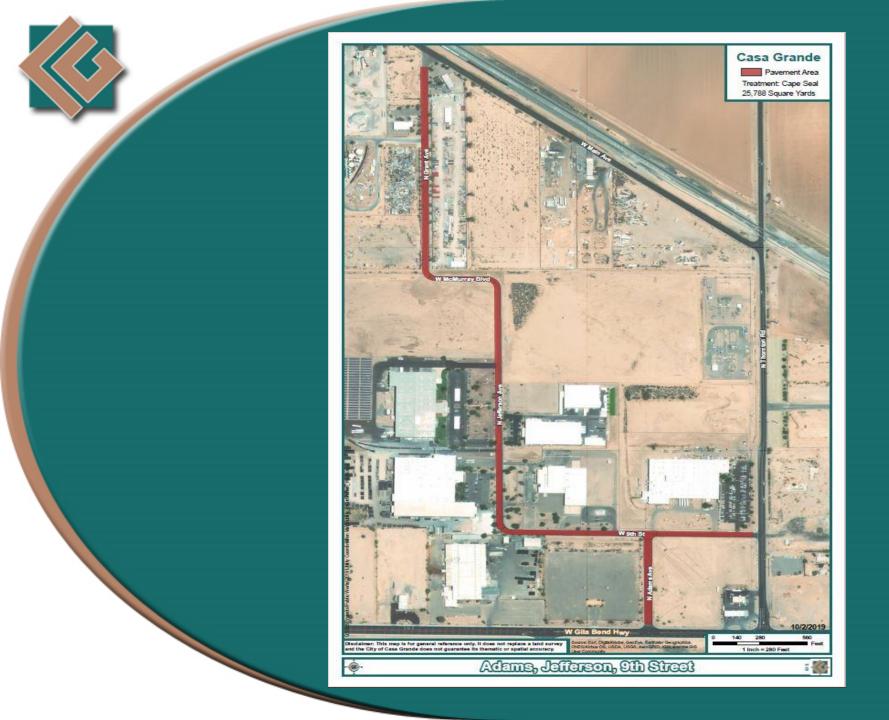
Good (65 to 75)

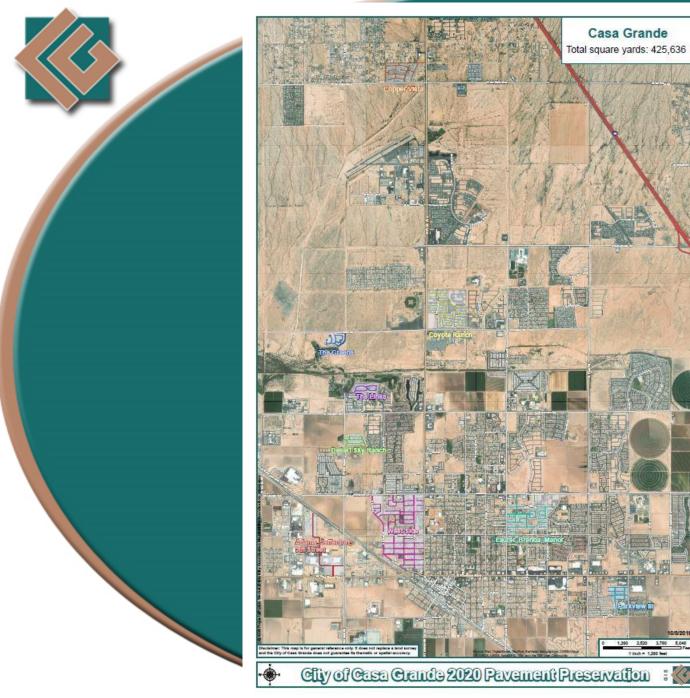
Very Good (75 to 85) Excellent (85 to 100)



Past 5 Yr. CIP'S

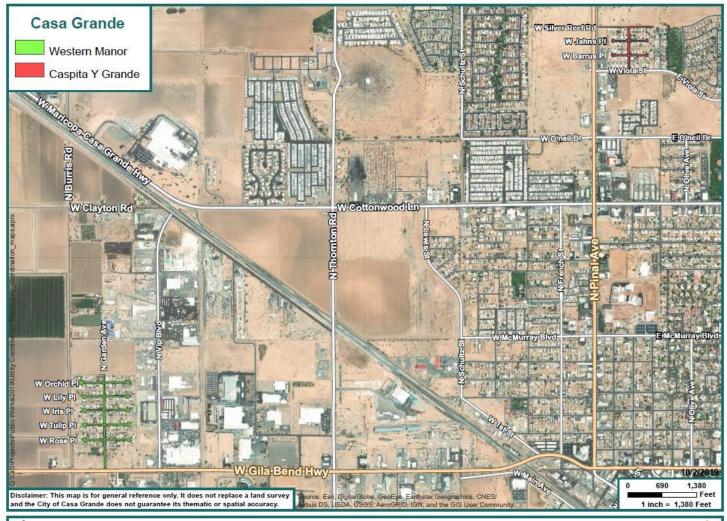
| | Midway Road | \$1,485,510 |
|---|---------------------------------------|-------------|
| | Arica/Isom Double Chip | \$210,000 |
| | Right Turn Lane | \$77,723 |
| | SB Arizola Road at Kortsen | |
| | Roadway Network Update | \$158,850 |
| | Peart Road | \$1,400,000 |
| | SB Additional Lane. Kortsen to O'neil | |
| | Rancho Grande Reconstruction | \$2,970,570 |
| * | Rodeo Road Additional Lane | \$135,752 |









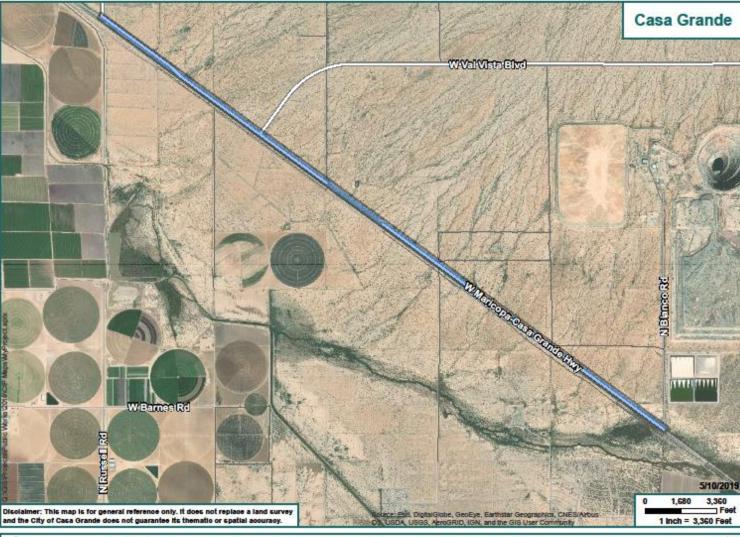




Western Manor/Caspita Y Grande Pavement Reconstruction Project



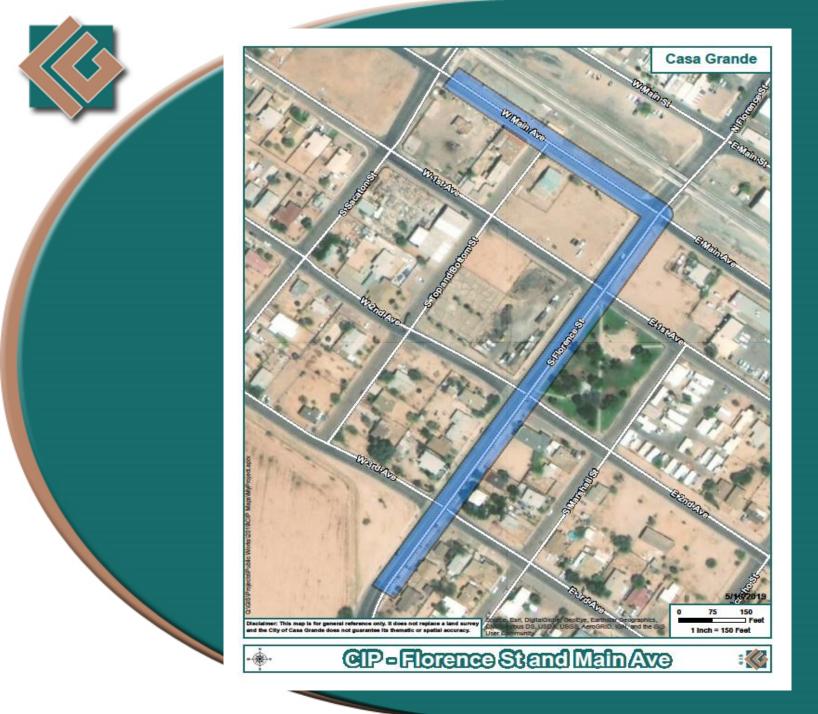














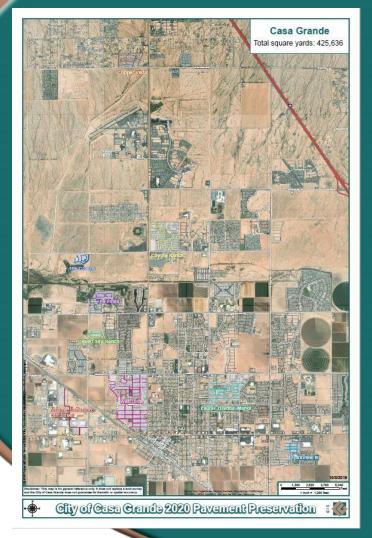




GP-Hadenda Double Chip Seal









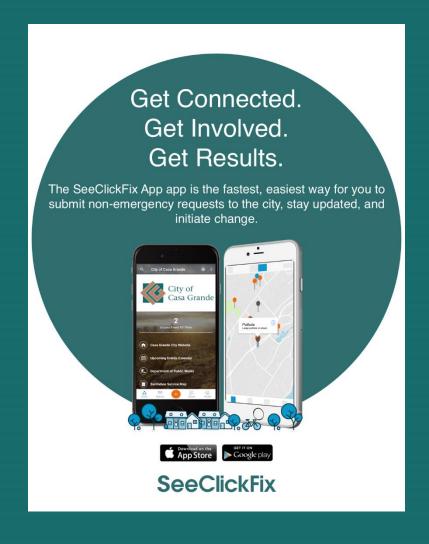




Report issues when you see them!

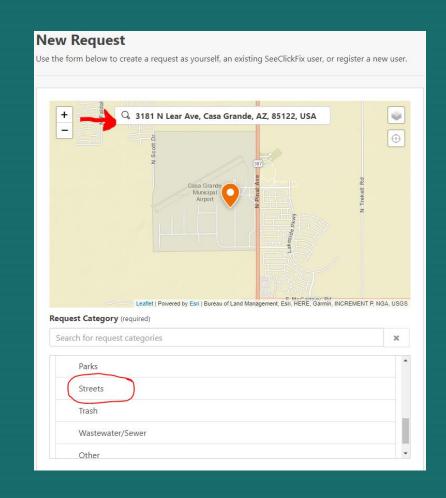
- Pot holes
- Lifted sidewalks
- Street light outages
- Broken/missing street signs
- Clogged/dirty stormwater drains

SeeClickFix





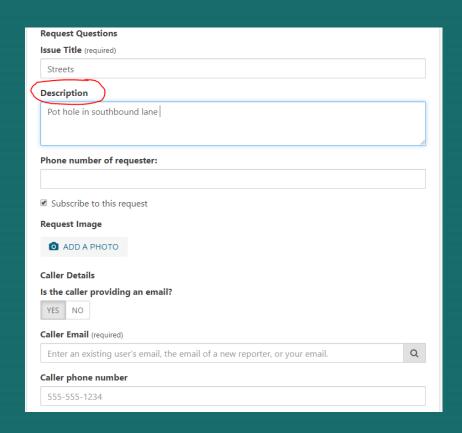
Submitting a Request





Submitting a Request

May submit anonymously, or, enter your email and receive updates as the request is addressed.





Follow us on Facebook! Casa Grande Public Works



Casa Grande Public Works

August 1 · 🚱

ROAD CONSTRUCTION UPDATE
The asphalt is going down on Rodeo Road!

Rodeo Road will remain open to traffic with minor lane restrictions and lowered speed limits. Paving work began on July 30th, and is expected to be completed by Friday August 2, weather permitting.... See More





Casa Grande Public Works

August 12 · 🚱

Striping on Rodeo Road between Casa Grande Ave. and Trekell Rd. will begin tomorrow, August 13th, weather permitting. The striping will be done by Sunline Contracting and is expected to be done within two days—again, weather permitting. Lower speed limits are possible during this work, as well as a few minor delays due to traffic control.

We thank you for your continued patience as we finish this project!

